

# CUBIT Capability Proposal

## Technical Area

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Infrastructure

## Technical Lead

Cubit Developer in charge of technical area

Darryl

## MRD Description

Describe the capability in terms of how a user would see it.

Provide the ability to make session-specific file names.

## SRS Description

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Provide an `aprepro` function which creates a session-specific string, which can be appended to a file name to make it session-specific. The process ID is a good possibility.
2. Modify the test suite so that all output files have a session-specific name. If those files are then used as input, then the import functions must also be changed to the session-specific names.

## Justification

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

Only one executable at a time can be tested against a single `cubit_test` directory. If more than one person tries to run the tests at the same time, it is possible to stomp each other's output files and have tests fail erroneously. Making it possible to test more than one executable at a time would be particularly nice on SGI, where I have to test 8 executables a day.

## Resources

Who will work on this

Student

## Time estimate

How much time will it take in man-weeks

2 weeks

## Targeted Release

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

10.2

## Submitted By:

Darryl

## Date:

3/28/06